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**From:** Fleisig, Erica [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=57317CE4C3234AFE86380BEAB9C70BD9-EFLEISIG]  
**Sent:** 2/23/2021 3:08:12 PM  
**To:** Jankowski, Mark [jankowski.mark@epa.gov]; Kusnierz, Lisa [kusnierz.lisa@epa.gov]; Macchio, Lisa (Macchio.Lisa@epa.gov) [Macchio.Lisa@epa.gov]  
**CC:** Kesler, Karen [Kesler.Karen@epa.gov]; Beaman, Joe [Beaman.Joe@epa.gov]  
**Subject:** Selenium methods questions from ND  
**Attachments:** Fish\_Data\_Eco\_46\_2016.xlsx

Hi R10 folks,

North Dakota is asking us some questions about selenium sampling and analytical methods (see below) and we were wondering if you have lab contacts (Karen, cc'd, mentioned that a R10 lab helped with processing of some of the Kootenai River burbot data) who could help provide input on these questions? If there is someone you could point us to or add to this email chain, that would be much appreciated.

Thank you!

-Erica

Erica Fleisig  
Team Leader, Regional Water Quality Standards Branch  
Office of Science and Technology, U.S. EPA  
(202) 566-1057

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**From:** Wax, Peter N. <pwax@nd.gov>  
**Sent:** Tuesday, February 23, 2021 9:08 AM  
**To:** Beaman, Joe <Beaman.Joe@epa.gov>; Kesler, Karen <Kesler.Karen@epa.gov>; Fleisig, Erica <Fleisig.Erica@epa.gov>; Wirick, Holiday <wirick.holiday@epa.gov>  
**Cc:** Aaron Larsen <allarsen@nd.gov>; Wert, Joshua E. <jewert@nd.gov>; jnett@nd.gov; Ussatis, Todd J. <tussatis@nd.gov>; Quarnstrom, James E. <jquarnst@nd.gov>  
**Subject:** Things 4 Se Sampling 2021

Dear All:

Yesterday Holly provided me notes on the selenium call last week Wednesday. It woke me up that there is not a lot of time to get everything ready. Spring is nearly here. In the next 3 to 4 weeks a QAPP with appropriate SOPs will need to get put together and any missing supplies ordered.

List of things I could use help with:

- 1) Methods for Water and Fish:
  - a. Flesh: Confirm that 30.50.B is appropriate.
    - i. Holding time once prepped and frozen
  - b. Water: Dissolved and 200.8 or 200.9?
- 2) SOPs for flesh (I believe someone offered to Region 10 or Montana's QAPP and SOPs)
  - a. Field Prep (This is very important. The state lab will deliver I can get them a good sample.
    - i. Ice or do we need to freeze (dry ice) in the field.
    - ii. How to bag (Plastic or glass?)
    - iii. Prep (grinder or hand homogenizing?)
    - iv. Stainless steel equipment?
- 3) Target Species

- a. Which species should be targeted Based on the attached fish list

Obviously more stuff will surface but this should get us going.

My hope is if there are at least a few species (based on eating habits) that might shed additional light for criteria development. If so we target additional samples to develop a subset of these animals as well.

Pete

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**From:** Wert, Joshua E. <[jewert@nd.gov](mailto:jewert@nd.gov)>

**Sent:** Thursday, February 18, 2021 1:52 PM

**To:** Wax, Peter N. <[pwax@nd.gov](mailto:pwax@nd.gov)>

**Cc:** Larsen, Aaron L. <[allarsen@nd.gov](mailto:allarsen@nd.gov)>; Nett, Joseph H. G. <[jnett@nd.gov](mailto:jnett@nd.gov)>

**Subject:** Eco 46 Fish Data 2016

Good Afternoon,

I have attached the excel file with 2016 fish data for eco 46. If there is any other information that you would like just let me know.

Josh

Joshua Wert

*Division of Water Quality • Watershed Management Program*

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